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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/629,660	08/01/2000	Tian-Quey Lee	3094/1H486US1	7603

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EXAMINER
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NGUYEN, JENNIFER T

ART UNIT	PAPER NUMBER
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2674

DATE MAILED: 01/22/2004

11

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/629,660

**Applicant(s)**

LEE, TIAN-QUEY

**Examiner**

Jennifer T Nguyen

**Art Unit**

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 01 August 2000.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. This Office Action is responsive to Amendment filed on 10/30/2003.

#### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 3-6, 8-11, and 13-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over DeMond et al. (U.S. Patent No. 5,214,419) in view of Deckys et al. (U.S. Patent No. 5,600,766).

Regarding claims 1, 6, and 11, referring to Fig. 3, DeMond teaches an electronic projector adaptable to an image source device (140) for projecting video images from said image source device (140) on a screen (178) via a LCD panel display, comprising: means (146) for receiving video signals from said image source device (140); buffer means (150) coupled to said receiving means (146) for temporarily saving said video signals; a frame buffer (160) connected to the memory for speeding up the display of said video signals; a central process unit (154) for determining a display configuration (from col. 1, line 64 to col. 2, line 2, col. 9, lines 36-68, from col. 10, line 1 to col. 11, line 11).

DeMond differs from claims 1, 6, and 11 in that he does not specifically teach the static image of said video signals is a user-defined logo; a non-volatile memory coupled to the buffer means for saving a selected static image of said video signals; and means for selecting the video

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signals output of said buffer means or the user defined logo of the frame buffer. However, referring to Figs 2-5, Deckys teaches static image of said video signals is a user-defined logo; a non-volatile memory (20) coupled to the buffer means for saving a selected static image of said video signals; and means (40) for selecting the video signals output of said buffer means or the user defined logo of the frame buffer (see abstract, from col. 3, line 40 to col. 6, line 16).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the user defined logo; a non-volatile memory coupled to the buffer means for saving a selected static image of said video signals; and means for selecting the video signals output of said buffer means or the user defined logo of the frame buffer as taught by Deckys in the system of DeMond in order to provide a system can easily update and display a variety of selections of signs for different consumers such as companies or private individuals.

Regarding claims 3, 10, and 13, the combination of DeMond and Deckys teaches displaying configuration is selectable from a user-defined logo configuration, a predetermined logo configuration, and a background color configuration (from col. 3, line 40 to col. 6, line 16 of Deckys).

Regarding claims 4 and 14, the combination of DeMond and Deckys further teaches non-volatile memory is a flash Read-Only-Memory (from col. 3, line 40 to col. 6, line 16 of Deckys).

Regarding claims 5 and 15, DeMond further teaches frame buffer (160) is a Synchronous Dynamic Random Access Memory (DRAM) (col. 10, lines 14-24 of DeMond).

Regarding claim 8, DeMond further teaches image is provided by using a graphics application program (col. 9, lines 47-50 of DeMond).

Regarding claim 9, DeMond further teaches image is provided by selecting a static image from a series of video images of an image source device (col. 9, lines 47-50 of DeMond).

4. Claims 2, 7, and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over DeMond et al. (U.S. Patent No. 5,214,419) in view of Deckys et al. (U.S. Patent No. 5,600,766) and further in view of Klingman (U.S. Patent No. 5,337,403).

Regarding claims 2, 7, and 12, the combination of DeMond and Deckys differs from claims 2, 7, and 12 in that he does not specifically teach image-mapping means for performing color mapping operations. However, referring to Fig. 4, Klingman teaches an image-mapping means (36) for performing color mapping operations (col. 4, lines 10-23 and lines 60-66). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the image-mapping means as taught by Klingman in the system of the combination of DeMond and Deckys in order to reduce the memory size of memory by the resolutions of the image have been compressed.

#### ***Response to Arguments***

5. Applicants' arguments filed 10/30/2003, have been fully considered but they are not persuasive because as follows:

In response to applicants' argument filed "DeMond et al. and Deckys et al. do not teach or disclose buffer means for saving said video, a non-volatile memory for saving a user-defined logo and selecting means". However, DeMond teaches buffer means (150) for saving said video (from col. 1, line 64 to col. 2, line 2, col. 9, lines 36-68, from col. 10, line 1 to col. 11, line 11). Deckys teaches means (30) for saving said video, a non-volatile memory (20) for saving a user-defined logo and selecting means (40) (col. 4, lines 10-23 and lines 60-66). Therefore, it is

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believed that the claim limitations are still read on the combination of DeMond, Deckys, and Klingman and the rejection is therefore maintained.

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Jennifer T. Nguyen** whose telephone number is **703-305-3225**. The examiner can normally be reached on Mon-Fri from 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard A Hjerpe** can be reach at **703-305-4709**.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, DC. 20231


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**Or faxed to: 703-872-9306 (for Technology Center 2600 only)**

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, sixth-floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is 703-306-0377.

Jennifer T. Nguyen  
1/13/2004

  
**REGINA LIANG**  
**PRIMARY EXAMINER**